

S&MA Mission Services

Task Directive

Control No. 0129	ORG No.: QD20	PROJECT SYMBOL: SHUTTLE-NDE	Contract No. NAS8-00179
Originator's Signature: QD20/Alex Adams <i>Alex Adams</i>		Date: 4/14/04	Originator Priority: High
Office Manager's Signature: QD20/Alex Adams <i>Alex Adams</i>		Date: 4/14/04	
COTR's Approval: QD01/Terry Hamm <i>Terry Hamm</i>		Date: 4-21-04	
Subject: Additional Shuttle support providing NDE Expertise			
Task Description: <p>General task will be to assist the SSME/ MPS team qualifying Nondestructive Evaluation (NDE) on Flow Liner and Flow Liner repair welds. Expertise for this task is required in both the NDE technique and in particular the Probability of Detection (POD) determination method required for qualifies the NDE measurement method(s). Expert will supply the team with advice on techniques, train team members on the POD methods, and analysis on results.</p>			
Specific Tasks: <p>This task may include, but shall not be limited to:</p> <ol style="list-style-type: none">1. Requirements review and task program planning.2. Engineering analysis of nondestructive inspection requirements to include, design of experiment, design of test specimens, design and validation of reference calibration specimens.3. Personnel training and demonstration4. Equipment recommendations5. General NDE engineering.6. Presentation of plans and data to customer personnel7. Presentation of plans and data in open technical forums.			
Schedule/Deliverable: <p>Deliverables per above and in support of project milestones schedule.</p>			
Duration: <p>Task effective April 19, 2004 through September 30, 2004.</p>			
Report Progress To: S&MA Project Lead			Frequency of Report: Weekly